

**SOFTWARE VERSION DESCRIPTION
FOR THE DII COE
Informix Segments
Version 1.0.1.0**

Solaris 2.5.1 and HP-UX 10.10

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1. SCOPE

1.1 Identification

This Software Version Description (SVD) applies to the following three Informix Version 1.0.1.0 Segments:

- * INFXOL - Informix-OnLine Dynamic Server 7.22
- * INFEXEC - Informix-ESQL/C 7.22
- * INFXCN - Informix-Connect 7.22

1.2 System Overview

1.2.1 INFXOL - Informix-OnLine Dynamic Server

INFORMIX-OnLine Dynamic Server is Informix's powerful, multithreaded database server that is designed to exploit the capabilities of both symmetric multiprocessor (SMP) and uniprocessor architectures to deliver breakthrough database scalability, manageability, and performance. OnLine Dynamic Server's core technology is based on Informix's Dynamic Scalable Architecture™ (DSA), which provides the most advanced parallel database architecture available for empowering today's distributed enterprise—from the desktop to departments to the data center. DSA is designed explicitly to help you manage increasingly larger and more complex databases while substantially improving overall system performance and scalability.

OnLine Dynamic Server provides superior transaction processing and optimal decision support through parallel data query (PDQ) technology, high availability, data integrity, mainframe-caliber administration, enterprise replication facilities, graphical monitoring tools, client/server and Web connectivity, and multimedia capabilities—all within a single, client/server-ready package. OnLine Dynamic Server supports Informix's entire line of SQL-based application development tools and a large number of third-party tools, and runs on a wide range of UNIX-based and Windows-NT computer systems in stand-alone or networked environments.

1.2.2 INFEXEC - Informix-ESQL/C

Informix-ESQL/C (Embedded SQL for C) allows developers to access highly efficient SQL database capabilities, including high-level data definition and manipulation commands and SQL query optimization facilities from within a C language program. In addition, Informix-ESQL/C conforms to the ANSI SQL standard, so developers don't have to learn different data access methods when accessing data from Informix database servers as well as other database servers.

Informix-ESQL/C provides thread-safe versions of the Informix general libraries, which are capable of supporting multiple active connections to one or more database servers. This feature allows you to develop multithreaded applications with multiple active connections per application.

1.2.3 INFXCN - Informix-Connect

Informix-Connect is the run-time component of the Informix Client Software Development Kit, which includes Informix-ESQL/C. Informix-Connect enables access to Informix database engines from any Informix application.

1.3 Document Overview

The purpose of this SVD is to identify and describe the INFXOL, INFEXEC, and INFXC�N segments. Section 2 is a list of the documents referenced in this manual. Section 3 describes version 1.2 of the CMP Software.

2. REFERENCED DOCUMENTS

- ◆ INFORMIX UNIX Products Installation Guide, Version 7.21, dated August 1996
- ◆ INFORMIX-OnLine Dynamic Server Administrator's Guide, Version 7.2, Volume 1, Chapter 3, dated April 1996
- ◆ INFORMIX-ESQL/C Programmer's Manual, Version 7.2, Chapter 9, dated April 1996

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

For Sun Solaris, the COE Informix Software, Version 1.0.1.0 is released as three segments (INFXOL, INFEXEC, and INFXC�N) on an 8 mm tape in UNIX tar format.

For HP, the COE Informix Software, Version 1.0.1.0 is released as three segments (INFXOL, INFEXEC, and INFXC�N) on a 4 mm Digital Audio Tape (DAT) in UNIX tar format.

3.2 Inventory of Software Contents

The COE Informix Software segments, version 1.0.1.0 consist of the following files:

Directory structure:

```
INFXOL/
    InfxOL722.tar  Scripts/    SegDescrip/
```

```
INFEXEC/
    INFEXEC.tar  Scripts/    SegDescrip/
```

```
INFXC�N/
    INFXC�N.tar  Scripts/    SegDescrip/
```

The Informix-OnLine Dynamic Server product is contained in the **InfxOL722.tar** file. Likewise, the Informix-ESQL/C product is in the **INFEXEC.tar** file and the Informix-Connect product is in the **INFXCN.tar** file. All tar files are relative to the current directory.

SegDescrip contains release notes, version notes, and DII COE configuration setup parameters.

Scripts contains installation scripts.

3.3 Related Documents

None.

3.4 Installation Instructions

Refer to Appendix A for installation instructions for Informix-OnLine. For Informix-ESQL/C instructions, refer to Appendix B. Appendix C contains installation instructions for Informix-Connect.

3.5 Possible Problems and Known Errors

There are several possible load combinations possible with the Informix segments. As a rule, the Informix-OnLine engine is always loaded last if two or more products are being installed.

The possible load combinations are as follows:

- Informix-OnLine Engine
- Informix-ESQL/C Development Tool
- Informix-Connect (for deploying ESQL/C applications)
- Informix-ESQL/C Development Tool with Informix-OnLine Engine

4. NOTES

Last minute notes, known problems, and workarounds are documented in the Informix products release directory provided with the products. After successfully installing a segment, the release notes will be contained in the **/opt/informix/release/en_us/0333** directory. Release notes for Informix-OnLine are contained in the **ONLINE_7.2** and **SERVER_7.2** files. Release notes for Informix-ESQL/C are contained in the **ESQLC_7.2** and **ESQLCDOC_7.2** files. There are no release notes for Informix-Connect.

Appendix A

INFXOL (Informix-OnLine) Installation Procedure (IP)

Tar Installation

The following steps describe how to install a 'tar' copy of INFXOL onto a system.

Log into the system.

Change directory to /h/COTS

Untar the INFXOL with the command 'tar xvf /dev/rmt/0m INFXOL'(or the appropriate drive designation).

Change directory to /h/COTS/INFXOL/SegDescrip

Set the environment variable INSTALL_DIR to /h/ COTS/INFXOL

Execute the PostInstall file. (Note - On Solaris, this includes commands which will update the /etc/system file. Thus requiring a reboot of the system.)

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

SOLARIS: Reboot the system. After reboot, login as 'root' or 'informix', open a terminal window, and verify OnLine has been started by executing the 'onstat -' command.

HP: Change user to 'informix' ('su - informix'). Enter the command 'oninit -iy' (this will initialize the OnLine engine). Verify the engine has started by executing the 'onstat -' command.

Segment Installation

The following steps describe how to install the INFXOL onto a system.

Log on to the DII workstation as 'sysadmin' so that the installation tool may be used.

Go to 'Software' on the pulldown menu and pick 'Segment Installer'.

Place the tape with the COE INFXOL 1.0.1.0 software into the tape drive.

Pick 'Select Source' in the GUI and then pick 'Other'. In the input area type '/dev/rmt/0mn'(or the tape drive that's appropriate for your system); Click 'OK'

Pick 'Read Contents'. The Installer will check the tape for all Informix segments (which includes the INFXOL segment).

Select the INFXOL (Informix-OnLine) segment line with the mouse and click on 'install'.

This will create the directory /h/COTS/INFXOL under the /h partition.

(Note - On Solaris, the PostInstall contains commands file which modify the /etc/system file. Thus you need to reboot)

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

SOLARIS: Reboot the system. After reboot, login as 'root' or 'informix', open a terminal window, and verify OnLine has been started by executing the 'onstat -' command.

HP: Login as 'informix'. Open a terminal window and enter the command 'oninit -iy' (this will initialize the OnLine engine). Verify the engine has started by executing the 'onstat -' command.

Appendix B

INFXEC (Informix-ESQL/C) Installation Procedure (IP)

Tar Installation

The following steps describe how to install a 'tar' copy of INFXEC onto a system.

Log into the system.

Change directory to /h/COTS

Untar the INFXEC with the command 'tar xvf /dev/rmt/0m INFXEC'(or the appropriate drive designation).

Change directory to /h/COTS/INFXEC/SegDescrip

Set the environment variable INSTALL_DIR to /h/ COTS/INFXEC

Execute the PostInstall file.

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

Segment Installation

The following steps describe how to install the INFXEC onto a system.

Log on to the DII workstation as 'sysadmin' so that the installation tool may be used.

Go to 'Software' on the pulldown menu and pick 'Segment Installer'.

Place the tape with the COE INFXEC 1.0.1.0 software into the tape drive.

Pick 'Select Source' in the GUI and then pick 'Other'. In the input area type '/dev/rmt/0mn'(or the tape drive that's appropriate for your system); Click 'OK'

Pick 'Read Contents'. The Installer will check the tape for all Informix segments (which includes the INFXEC segment).

Select the INFXEC (Informix-ESQL/C) segment line with the mouse and click on 'install'.

This will create the directory /h/COTS/INFXEC under the /h partition.

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

Testing Procedures

To test if an ESQL/C program can correctly connect to an installed and running Informix-OnLine engine, you will first have to compile one of the demo programs provided with the product. As user 'informix', change to the **/opt/informix/demo/esqlc** directory and execute the following command: 'esql demo1.ec -o demo1'. Now there are two scenarios to consider:

- 1) Host-based : ESQL/C and OnLine engine are on the same machine. Simply try running the 'demo1' program you just compiled.
- 2) Client/Server : ESQL/C and OnLine are on separate machines. You must first modify the /opt/informix/etc/sqlhosts file. Find the record that begins with 'online_coe' and change the third field to the name of the machine hosting the OnLine engine. For example, if OnLine is running on a machine named 'dbserver', the line should read

online_coe	otlittcp	dbserver	informix
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You should now be able to run the 'demo1' program.

Appendix C

INFXCN (Informix-Connect) Installation Procedure (IP)

Tar Installation

The following steps describe how to install a 'tar' copy of INFXCN onto a system.

Log into the system.

Change directory to /h/COTS

Untar the INFXCN with the command 'tar xvf /dev/rmt/0m INFXCN' (or the appropriate drive designation).

Change directory to /h/COTS/INFXCN/SegDescrip

Set the environment variable INSTALL_DIR to /h/ COTS/INFXCN

Execute the PostInstall file.

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

You will then be prompted to enter the machine name running the Informix-OnLine database engine.

Segment Installation

The following steps describe how to install the INFXCN onto a system.

Log on to the DII workstation as 'sysadmin' so that the installation tool may be used.

Go to 'Software' on the pulldown menu and pick 'Segment Installer'.

Place the tape with the COE INFXCN 1.0.1.0 software into the tape drive.

Pick 'Select Source' in the GUI and then pick 'Other'. In the input area type '/dev/rmt/0mn' (or the tape drive that's appropriate for your system); Click 'OK'

Pick 'Read Contents'. The Installer will check the tape for all Informix segments (which includes the INFXCN segment).

Select the INFXCN (Informix-OnLine) segment line with the mouse and click on 'install'.

This will create the directory /h/COTS/INFXCN under the /h partition.

You will be prompted to enter a Serial Number (enter 'AAB#J893169') and Key (enter 'SNXRKY').

You will then be prompted to enter the machine name running the Informix-OnLine database engine.